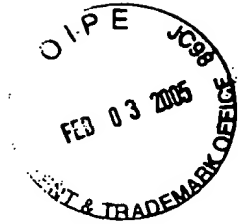


O.K.  
to  
enter

(M4)

1/30/06



1289.39331X00  
PAT 99422 US  
302823US/PRS/SJB/sl

## SUBSTITUTE SPECIFICATION

### COMMUNICATION NETWORK

#### Background of the Invention

##### Field of the Invention

**[0001]** This invention relates to a communication network, in particular a communication network for dynamically allocating channels.

##### Description of the Prior Art

**[0002]** The popularity of cellular communication is, in part, due to its ability to allow a relatively large number of users to establish communication links over a relatively limited bandwidth. However, as the popularity of cellular communication continues to increase, the demands for increased capacity continue.

**[0003]** Time Division Multiple Access (TDMA) cellular communication systems increase capacity by splitting a carrier frequency into a plurality of timeslots, thereby allowing a plurality of communication channels to be established over the same carrier frequency.

**[0004]** To allow speech data to be transmitted in a timeslot, the speech data is compressed using a codec.

**[0005]** To further increase capacity certain TDMA standards, for example GSM, allow the use of a half rate codec. The half rate codec cuts the amount of data needed to adequately represent human speech sounds by half when